

Date: Thursday, 6/21/2007 2:28:35 PM
User: Kim Johnston

Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: SADDLE FITTING, FWD (OUTBOARD/INBOARD)
Job Number	: 33040		
Estimate Number	: 10530		
P.O. Number	: <i>N/A</i>	Part Number	: D2571
This Issue	: 6/21/2007 S.O. No. : <i>N/A</i>	Drawing Number	: D2571 REV E
Prsht Rev.	: NC	Project Number	: N/A
First Issue	: <i>N/A</i> Type : MACHINED PARTS	Drawing Revision	: E
Previous Run	: 32165	Material	: <i>NIA</i>
Written By	: <i>[Signature]</i>	Due Date	: 7/11/2007
Checked & Approved By	: <i>[Signature]</i>	Qty:	12 Um: Each
Comment	: Est: 1 02.10.02 Re-format; Change to Dwg Rev. D & incorporated D2572 KJ		

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	D6101007	7075-T7351 8.25X7.75X2.5
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Comment: Qty.: 1.0000 Each(s)/Unit Total : 12.0000 Each(s)
7075-T7351 8.25X7.75X2.5
Make from D6101-007 billet for D2571
Ensure that grain is along 7.75" length
Batch No: *825353*

ml 07/07/12 (12)

2.0	HAAS1	HAAS CNC VERTICAL MACHINING #1
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Comment: HAAS CNC VERTICAL MACHINING #1
Program Batch No. *SA* Double check by: *J.F.*

- 1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets
- 2-Machine Step No 2 per Folio FA051 and inspect per attached Dimension Sheets
- 3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets
- 4-Deburr and remove all machining marks
- 5-Tumble to remove sharp edges.

ml 07/07/10 SA

3.0	MILLING CONV.	CONVENTIONAL MILLING MACHINE
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Comment: CONVENTIONAL MILLING MACHINE
Machine keyway as per dwg D2571 & D2572

ml SA 07/07/10

4.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
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Comment: INSPECT PARTS AS THEY COME OFF MACHINE

ml SA 07/07/10

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes ☒ No ☐ DQA: ☒ Date: 07/09/23
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Thursday, 6/21/2007 2:28:35 PM
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Customer: CU-DAR001 Dart Helicopters Services

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Part Number: D2571

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

QC8

SECOND CHECK



Comment: SECOND CHECK

J.L 07/07/13

6.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Acid etch and Alodine as per QSI 005 4.1

SS

07-07-16

12

7.0

POWDER COATING

POWDER COATING



Comment: POWDER COATING

Powder Coat GREEN SANDTEX (Ref: 4.3.5.1) as per QSI 005 4.3

m 18144

M/B

07-07-16

12

8.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT

FD

07/07/16

12

9.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: _____

7/7/17

12x

SD

07.07.17

10.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



U 07-07-17

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	33040
Description: Saddle, Fwd Outboard	Part Number:	D2571
Inspection Dwg: D2571 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2571 Rev. E and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	By	Date
A	0.438	0.443	DT8682	0.439	0.439	0.439	0.439		
B	1.745	1.755		1.756	1.749	1.749	1.744		
C	3.495	3.505		3.499	3.506	3.499	3.499		
D	1.745	1.755		1.750	1.749	1.749	1.749		
E	7.990	8.010		8.000	7.998	8.000	7.998		
F	0.490	0.510		0.501	0.504	0.505	0.505		
G	0.257	0.262	DT8683	0.258	0.258	0.258	0.258		
H	0.375	0.380	DT8684	0.377	0.377	0.377	0.377		
I	0.490	0.510		0.501	0.498	0.499	0.500		
J	1.174	1.184		1.178	1.178	1.178	1.178		
K	0.558	0.578		0.566	0.565	0.567	0.566		
L	1.174	1.184		1.178	1.178	1.178	1.178		
M	1.490	1.500		1.494	1.494	1.494	1.494		
N	2.495	2.505		2.498	2.500	2.499	2.499		
O	3.869	3.879		3.872	3.872	3.871	3.872		
P	0.115	0.135		0.123	0.124	0.124	0.123		
Q	0.115	0.135		0.135	0.135	0.135	0.135		
R	0.240	0.260		0.251	0.251	0.252	0.251		
S	0.115	0.135		0.131	0.131	0.129	0.136		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	2.940	2.980		2.960	2.961	2.960	2.960		
V	0.230	0.250		0.241	0.241	0.238	0.240		
W	0.115	0.135		0.122	0.125	0.127	0.127		
X	0.308	0.313		0.311	0.311	0.310	0.310		
Y	0.760	0.765		0.761	0.761	0.761	0.761		
Z	0.352	0.372		0.360	0.360	0.361	0.363		
AA	0.470	0.530		0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.629	0.632	0.632	0.632		
AC	0.053	0.073		0.063	0.063	0.063	0.063		
AD	0.240	0.260		0.249	0.248	0.246	0.247		
AE	1.375	1.395		1.387	1.386	1.387	1.387		
AF	0.115	0.135		0.132	0.132	0.130	0.130		
AG	0.240	0.280		0.255	0.260	0.260	0.260		
AH	0.240	0.260		0.251	0.250	0.248	0.250		
AI	2.000	2.020		2.001	2.000	2.001	2.000		
AJ	0.023	0.043		0.033	0.033	0.033	0.033		
Accept/Reject									

Measured by:	<i>gmk</i>
Date:	07/07/09

Audited by:	<i>JL</i>
Date:	07/07/13

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.24	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	<i>gmk</i>

DART AEROSPACE LTD	Work Order:	33040
Description: Saddle, Fwd Outboard	Part Number:	D2571
Inspection Dwg: D2571 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2571 Rev. E and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	By	Date
A	0.438	0.443	DT8682	0.439	0.439	0.438	0.438		
B	1.745	1.755		1.749	1.749	1.748	1.748		
C	3.495	3.505		3.506	3.506	3.500	3.501		
D	1.745	1.755		1.749	1.749	1.750	1.749		
E	7.990	8.010		8.000	8.006	8.001	8.001		
F	0.490	0.510		0.504	0.503	0.503	0.494		
G	0.257	0.262	DT8683	0.258	0.258	0.258	0.258		
H	0.375	0.380	DT8684	0.377	0.377	0.377	0.377		
I	0.490	0.510		0.498	0.500	0.500	0.500		
J	1.174	1.184		1.178	1.178	1.178	1.178		
K	0.558	0.578		0.566	0.566	0.568	0.568		
L	1.174	1.184		1.178	1.178	1.178	1.178		
M	1.490	1.500		1.494	1.494	1.494	1.494		
N	2.495	2.505		2.500	2.500	2.500	2.500		
O	3.869	3.879		3.872	3.872	3.872	3.872		
P	0.115	0.135		0.124	0.124	0.123	0.123		
Q	0.115	0.135		0.135	0.135	0.135	0.135		
R	0.240	0.260		0.257	0.257	0.257	0.257		
S	0.115	0.135		0.132	0.131	0.131	0.131		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	2.940	2.980		2.966	2.961	2.961	2.960		
V	0.230	0.250		0.246	0.241	0.238	0.239		
W	0.115	0.135		0.126	0.126	0.122	0.122		
X	0.308	0.313		0.310	0.310	0.311	0.311		
Y	0.760	0.765		0.760	0.761	0.762	0.762		
Z	0.352	0.372		0.363	0.362	0.363	0.366		
AA	0.470	0.530		0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.632	0.634	0.634	0.636		
AC	0.053	0.073		0.063	0.063	0.063	0.063		
AD	0.240	0.260		0.248	0.249	0.248	0.247		
AE	1.375	1.395		1.388	1.386	1.386	1.386		
AF	0.115	0.135		0.132	0.132	0.132	0.132		
AG	0.240	0.280		0.266	0.260	0.260	0.260		
AH	0.240	0.260		0.250	0.251	0.248	0.249		
AI	2.000	2.020		2.002	2.001	2.001	2.001		
AJ	0.023	0.043		0.033	0.033	0.033	0.033		
Accept/Reject									

Measured by:	<i>[Signature]</i>
Date:	07.07.10

Audited by:	<i>[Signature]</i>
Date:	07/07/13

Rev.	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.24	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	<i>[Signature]</i>

DART AEROSPACE LTD		Work Order:	33040
Description: Saddle, Fwd Outboard		Part Number:	D2571
Inspection Dwg: D2571 Rev. E		Page 1 of 1	

Inspect dimensions highlighted on inspection sheet drawing D2571 Rev. E and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	By	Date
A	0.438	0.443	DT8682	.439	.439	.439	.437		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.749	1.750	1.749	1.750		
E	7.990	8.010		8.002	8.003	8.001	8.000		
F	0.490	0.510		.500	.498	.501	.500		
G	0.257	0.262	DT8683	.258	.258	.258	.258		
H	0.375	0.380	DT8684	.376	.376	.376	.376		
I	0.490	0.510		.500	.501	.500	.501		
J	1.174	1.184		1.179	1.179	1.179	1.179		
K	0.558	0.578		.567	.567	.569	.571		
L	1.174	1.184		1.179	1.179	1.177	1.179		
M	1.490	1.500		1.495	1.495	1.495	1.495		
N	2.495	2.505		2.499	2.500	2.499	2.498		
O	3.869	3.879		3.874	3.874	3.874	3.874		
P	0.115	0.135		.123	.123	.124	.123		
Q	0.115	0.135		.133	.134	.130	.135		
R	0.240	0.260		.254	.252	.252	.257		
S	0.115	0.135		.130	.129	.137	.129		
T	0.178	0.198		.188	.188	.188	.188		
U	2.940	2.980		2.963	2.963	2.962	2.963		
V	0.230	0.250		.241	.242	.241	.241		
W	0.115	0.135		.124	.126	.125	.125		
X	0.308	0.313		.311	.310	.310	.311		
Y	0.760	0.765		.762	.762	.762	.762		
Z	0.352	0.372		.364	.364	.363	.364		
AA	0.470	0.530		.500	.500	.500	.500		
AB	0.615	0.635		.631	.630	.630	.632		
AC	0.053	0.073		.063	.063	.063	.063		
AD	0.240	0.260		.251	.250	.251	.251		
AE	1.375	1.395		1.388	1.388	1.389	1.388		
AF	0.115	0.135		.130	.130	.130	.130		
AG	0.240	0.280		.260	.260	.260	.260		
AH	0.240	0.260		.257	.252	.252	.252		
AI	2.000	2.020		2.003	2.005	2.005	2.002		
AJ	0.023	0.043		.033	.033	.033	.033		
Accept/Reject									






Measured by:	SA
Date:	01.07.10

Audited by:	TL
Date:	07/07/13

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.24	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

05.12.06

MATERIAL: 7075-17351 (QQ-A-250/12) (REF DART SPEC. D6102-001)
FINISH: ACID ETCH, ALODINE PER DART QSI 005 4.1
POWDER COAT GLOSS WHITE (REF 4.3.5.1) PER DART
QSI 005 4.3
BREAK ALL SHARP EDGES 0.010 TO 0.020
TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

- | | |
|---|--|
|  | ENGRAVE PART AND BATCH NUMBER IN THIS AREA TO MAX DEPTH OF 0.010 |
|  | ENGRAVE DART LOGO TO MAX DEPTH OF 0.015 WITH MIN RAD 0.125 |
|  | CHAMFER 0.063" x 45° AROUND THIS SURFACE (TYPICAL 2 PLACES) |
|  | CHAMFER 0.063" x 45° ALL AROUND |
|  | CHAMFER 0.033" x 45° (SEE DETAIL C) |

 $\triangle E$




Technical drawing of a mechanical part, showing a cross-section and a side view.

Cross-section (Top):

- Central hole diameter: 1.73
- Side hole diameter: 0.20
- Central fillet radius: R0.66 (TYP)
- Side fillet radius: R0.50 (TYP)
- Part label: **DART**

Side View (Bottom):

- Total width: 8.000
- Distance from left edge to central hole center: 1.750 ±0.005
- Distance between central hole and right hole center: 3.500 ±0.005
- Distance from right hole center to right edge: 1.750 ±0.005
- Surface finish symbol: +0.005 / 0.000

E	05.07.13	ADD CHAMFER ON RIDGE, NOTE 5
D	02.09.06	ADD RIDGES; TIGHTEN TOLERANCES
C	99.10.22	INCRP. DEO 9123/9079/9102 ADD DIMENSIONS PER TSR A1177
B	96.12.02	ADD GRAIN DIR., 0.438 WAS 0.425
A	96.09.16	NEW ISSUE
DESIGN OS		DRAWN BY PH
		DART AEROSPACE LTD. MARKHAM, ONTARIO, CANADA
CHECKED 	APPROVED 	DRAWING NO. D2571
DATE 05.07.13	TITLE OUTER FWD SADDLE	
		REV. SHEET 1 OF 1 SCAL 2

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NO. 33040